

Claims

1. {Different span capture}

5 A platform deck or flat rack container,
with capture and handling fittings,
disposed at different spans.

2. {Grouped fittings}

A flat rack of Claim 1,
with capture and handling fittings
grouped by different span standards.

10 3. {Different span support posts & fittings}

A flat rack of either preceding claim,
with respective support posts,
and attendant capture and handling fittings,
at different spans.

15 4. {Multiple grouped support posts}

A flat rack of any preceding claim,
with multiple support posts,
grouped together in a post module
at or adjacent deck ends.

20 5. {Independently folding support post groups}

A flat rack of any preceding claim,
with independently folding support post groups.

6. {40ft & 45ft fittings}

25 A flat rack of any preceding claim,
with capture and handling fittings
at both 40ft and 45ft span,
for conformity with dual handling standards.

5 7. {Transverse fold support posts}
A flat rack of any preceding claim,
with support posts at opposite sides
pivot mounted for inward transverse fold,
to overlie one another upon a platform deck.

8. {Different height post pivots}

A flat rack of any preceding claim,
with support post pivots at different heights,
to allow mutual collapse fold overlay.

10 9. {Torsion bar post counterbalance}

A flat rack of any preceding claim,
with support post pivot mountings
biased by torsion bar springs,
to counterbalance post weight.

15 10. {Ram & cable pulley deck suspension}

A flat rack of any preceding claim,
with on-board hydraulic rams,
and cable pulley drive coupling,
for support post extension
20 and suspended deck movement.

11. {Paired support posts}

A flat rack of any preceding claim,
with paired telescopic support posts,
operable by joint ram and cable drive,
25 with respective capture and handling fittings
at different standard spans

12. {Paired adjustable span support posts}

A flat rack of any preceding claim,
with a movable deck,
30 carried at or adjacent each corner
by paired adjustable span support posts
with respective capture and handling fittings
at different spans.

13. {Movable upper over base deck}

5 A flat rack of any preceding claim,
with a movable upper deck,
carried by support posts
surmounting a base deck.

14. {End access gate}

10 A flat rack of any preceding claim,
with an end access closure gate
between paired support posts,
with respective capture and handling fittings
at opposite sides of each deck end.

15. {Profiled deck ramps}

15 A flat rack of any preceding claim,
with a tapered deck end profile
to create end ramps for a vehicle cargo
to allow vehicle tilt for compact fit
within flat rack deck confines.

16. {Deck trap door}

20 A flat rack of any preceding claim,
with a hinged trap door in a deck floor
intermediate deck ends
to allow local tilt of a vehicle cargo
disposed with wheels thereupon.

17. {Multiple capture fittings per post}

25 A flat rack of any preceding claim,
with multiple capture and handling fittings,
carried by individual support posts.

18. {Extension ram within post}

30 A flat rack of any preceding claim,
with a support post extension ram
disposed within post confines.

19. {Cable suspension within post}

A flat rack of any preceding claim,
with a cable suspension
disposed within support post confines.

5 20. {Dual inter-fitting decks}

10 A flat rack of any preceding claim,
with dual inter-fitting decks
carried between adjustable span support posts
pivotaly mounted for inward transverse fold
to allow a compact overall collapse fold
with support posts within mutually inset decks.

21. {Deck lock}

A flat rack of any preceding claim,
with a selectively operable deck lock.

15 22. {Collapse fold interlock}

A flat rack of any preceding claim,
with selectively operable collapse fold interlock,
between inward folded support posts,
gate carried thereby, and underlying deck.

20 23. {Collapse fold stub post brace}

25 A flat rack of any preceding claim,
with a collapse fold support post
and underlying deck interaction,
to brace residual corner stub posts
and attendant capture and handling fittings.

24. {Movable deck over-travel}

A flat rack of any preceding claim,
with movable deck over-travel facility,
to facilitate under deck loading.

25. {Deck over-ravel lock}

A flat rack of any preceding claim,
with movable deck over-travel lock,
for secure under deck loading access.

5 26. {Illustrated embodiment}

A flat rack substantially as hereinbefore described
with reference to, and as shown in, the
accompanying drawings.